Doron L Grossman-Naples

Contact Information

University of Illinois at Urbana-Champaign
Department of Mathematics
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Phone available upon request.

Research Interests

Chromatic homotopy theory, spectral algebraic geometry, and quantum field theory.

Education

University of Illinois at Urbana-Champaign

Ph.D. Candidate, Mathematics (expected May 2025)

- Advisor: Charles Rezk

M.S. in Mathematics, August 2021

University of California at Berkeley

B.A. in Mathematics, May 2019

- Highest honors in mathematics, highest distinction in general scholarship
- Minor in physics

Honors and Awards

2019 Departmental Citation (Valedictorian), Mathematics Department
University of California at Berkeley

2019 Paul Chernoff Memorial Prize
University of California at Berkeley

Preprints

Finite Manifolds and Minimal Finite Models of Closed Surfaces (2018).

Talks

Chromatic Homotopy: What, Why, and How, Graduate Student Homotopy Theory Seminar, University of Illinois at Urbana-Champaign (October 2022).

Elliptic Cohomology and Conformal Field Theories, Graduate Student Geometry and Topology Seminar, University of Illinois at Urbana-Champaign (September 2022).

You Already Care About ∞-Topoi, Graduate Student Homotopy Theory Seminar, University of Illinois at Urbana-Champaign (April 2022).

An Informal Introduction to Formal Groups, Graduate Student Commutative Algebra and Algebraic Geometry Seminar, University of Illinois at Urbana-Champaign (April 2022).

Simplicial Localizations and How to Find Them, Graduate Student Homotopy Theory Seminar, University of Illinois at Urbana-Champaign (October 2021).

Finite Spaces and Finite Models, Graduate Student Homotopy Theory Seminar, University of Illinois at Urbana-Champaign (September 2020).

Seminar and Conference Organization

Graduate Student Homotopy Theory Seminar, University of Illinois at Urbana-Champaign, Fall 2021–Spring 2022.

Higher Category Theory Reading Group, University of Illinois at Urbana-Champaign, Fall 2021–Spring 2022.

Chromatic Homotopy Theory Learning Seminar (co-organized with Yigal Kamel), University of Illinois at Urbana-Champaign, Spring 2023.

Workshops and Summer Schools

Conference on Homotopy Theory with Applications to Arithmetic and Geometry, Fields Institute; Toronto, Ontario (June 2022).

EWM-EMS Summer School: Chromatic Homotopy Theory and Friends, Mittag-Leffler Institute; Djursholm, Sweden (June 2022).

Sparsity of Algebraic Points (Virtual School), Mathematical Sciences Research Institute; Berkeley, California (June 2021).

University of Chicago Math REU, University of Chicago; Chicago, Illinois (Summer 2018).

Teaching Experience

Fall	2022	Grader, Real Analysis (Math 540)
Fall	2022	Grader, Introduction to Abstract Algebra (Math 417)
Spring	2022	Grader, Functional Analysis (Math 541)
Spring	2022	Grader, Algebraic Topology (Math 526)
Spring	2022	Grader, Abstract Linear Algebra (Math 416)
Fall	2021	Teaching Assistant, Linear Algebra with Computational Applications (Math 257)
Spring	2021	Grader, Introduction to Abstract Algebra II (Math 418)
Spring	2021	Grader, Introduction to Abstract Algebra (Math 417)
Fall	2020	Grader, Introduction to Abstract Algebra (Math 417)
Fall	2020	Grader, Fundamental Mathematics (Math 347)
Spring	2020	Grader, Introduction to Discrete Mathematics (Math 213)
Spring	2020	Teaching Assistant, Multivariable Calculus (Math 241)
Fall	2019	Teaching Assistant, Calculus I (Math 221)

Service

Graduate Student Orientation Panel, Department of Mathematics, University of Illinois at Urbana-Champaign; Urbana, Illinois (Fall 2022).

Graduate Student Open House Panel, Department of Mathematics, University of Illinois at Urbana-Champaign; Urbana, Illinois (Spring 2022).

Graduate Student Peer Mentoring Program, Department of Mathematics, University of Illinois at Urbana-Champaign; Urbana, Illinois (Fall 2021).

Relevant Skills

Languages: English, Italian.

References

Charles Rezk, Professor, Department of Mathematics, University of Illinois at Urbana-Champaign, (217) 265-6309, `rezk@illinois.edu`.